

LISTING OF CLAIMS

1 (CURRENTLY AMENDED) . An optical disc drive for reading data on a disc having data on ~~two sides~~ on a first side arranged along a clockwise spiral and having data on a second side arranged along a counterclockwise spiral, said drive including:

- a tray supporting a disc;
- a housing with an opening defined by at least one wall, said tray being movable within said opening between an open position in which said disc can be placed on and removed from said tray, and a closed position in which data on said disc can be read;
- a first read head mounted on said wall and directed toward ~~one side of said disc~~ of said sides;
- a second read head mounted in said tray and directed toward the other ~~side of said disc~~ of said sides; and
- electrical circuitry including a motor rotating the disc and ~~buffers storing data from said read heads~~ and microprocessor that receives data from both heads continuously and processes said data .

2(CURRENTLY AMENDED). The disc drive of claim 1 wherein said housing is sized to fit within a standard bay of a PC Personal Computer.

3(ORIGINAL). The disc drive of claim 1 wherein said housing is sized and shaped for integration within a laptop-type device.

4 (ORIGINAL). The disc drive of claim 1 wherein said wall extends over said tray.

5 (ORIGINAL). The disc drive of claim 1 wherein said tray has a bottom wall and said second read head is mounted on said bottom wall positioned to be adjacent the other side of the disc when said tray is in the closed position.

6 (CURRENTLY AMENDED). In combination, ~~A~~ a desktop PC-
Personal Computer and an optical data disc, said data disc having a first side
with data arranged in a clockwise spiral and a second side with data arranged in
a counterclockwise spiral comprising:

a case with a bay;

a disc drive disposed in said bay, said disc drive including a housing having a wall defining an opening, a tray fitted in said opening and being selectively movable between an open position to receive ~~an~~ said optical data disc and a closed position in which said optical data disc is positioned for data exchange, a first read head attached to said wall, and a second read head attached to said tray, said read heads being arranged to read respective opposite sides of the optical data disc;

a motor

a controller controlling said motor for rotating said optical

data disc in a predetermined direction with the tray in the closed position; and
a processor receiving a continuous stream of data from both
heads while the disc is being rotated in said predetermined direction.

7(Cancelled).

8 (CURRENTLY AMENDED). The desktop ~~PC~~ Personal
Computer of claim 6 ~~further comprising a~~ wherein said controller and a motor
and heads cooperate cooperating to read data from both sides of the optical
data disc simultaneously.

9 (CURRENTLY AMENDED). The desktop ~~PC~~ Personal
Computer of claim 6 wherein said tray is formed with a hole through which one of
said heads reads a respective disc side.

10 (CURRENTLY AMENDED). A portable computing device
receiving and writing to and from an optical disc having data arranged in
clockwise direction on one side and data arranged in a counterclockwise
direction on another side, said device comprising:

- a case formed with an opening having an interior wall;
- a tray movable within said opening to allow ~~an~~ said optical
disc to be placed on the tray;
- a first read head disposed on the tray under said optical disc

to selectively read data from its bottom side; ~~and~~

a second read head supported on said interior wall and positioned to selectively read data from the top side of the optical disc; and
a controller receiving continuous streams of data from both heads.

11(CURRENTLY AMENDED). The portable computing device of claim 10 wherein said tray is formed with a hole, said ~~second~~ first read head being positioned to read the bottom side of the optical disc through said hole.

12(ORIGINAL). The portable computing device of claim 10 further comprising a controller generating commands to the read heads to read data from the top and bottom sides sequentially.

13(ORIGINAL). The portable computing device of claim 10 further comprising a controller generating commands to the read heads to read data from the top and bottom sides simultaneously.

14(CURRENTLY AMENDED). An optical disc player playing optical discs having two opposed sides, one side having data arranged in a clockwise spiral and the other side having data arranged in a counterclockwise spira, said player comprising:

a housing with an opening having first and second walls,

said walls being opposite to each other;

a first read head disposed on one of said walls;

a second read head; and

a mechanism selectively moving ~~an~~ said optical disc

between said read heads to allow said read heads to read data from said optical disc; and

a microprocessor receiving a continuous stream of data from both read heads.

15(ORIGINAL). The optical disc player of claim 14 wherein said mechanism includes a tray selectively movable between an open position in which it accepts the optical disc and a closed position in which the read heads read data on the disc.

16(ORIGINAL). The optical player of claim 15 wherein said second read head is attached to said tray.

17(ORIGINAL). The optical player of claim 14 wherein said second read head is attached to the second wall.

18(ORIGINAL). The optical player of claim 17 wherein said mechanism includes an arm selectively moving the disc in and out of the opening.